

V Всеукраїнська студентська науково - технічна конференція "ПРИРОДНИЧІ ТА ГУМАНІТАРНІ НАУКИ.
АКТУАЛЬНІ ПИТАННЯ"

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UNDESERVEDLY FORGOTTEN NIKOLA TESLA

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In everyday life we often meet with such at first sight familiar things like radio, fluorescent lights, motors, radio controlled machines, electric clock, electric meter, car speedometer, electrotherapy devices, but most people do not even think about who these inventions belong to and what is the name of a person who invented the thing. Here we would like to draw your attention to the genius who actually opened the XX century. His name is Nikola Tesla.

The scientist was born in Serbia in the town of Smilyany in July 9, 1856. Since early childhood Nikola had had visions of flash of light invisible to others. Sometimes he spent hours watching the undiscovered worlds, so realistic, that he often could not distinguish them from real ones. Almost completely rational technical ideas were born from this madness. Especially the young man was attracted to electricity. In 1884 Tesla went to America. Thus Tesla began working for Edison and the strain in relations between them appeared immediately. Edison adhered the universal theory of "the movement of charged particles", but Tesla had a different vision and in his "theory of electricity" the most important concern was the notion of ether. In April 1887 "Tesla Key Light Company" was established. After that the so-called "War of currents" which arose between two companies on the basis of competition began.

In 1893 Visitors of the World Exhibition in Chicago watched in horror as Tesla transformed through his body a voltage of two million volts every day. He smiled as if nothing had happened, and bright lamps were burning in his hands. People thought that Tesla's inventions were sorcery. Tesla organized a small laboratory in Colorado Springs in May 1899. During the experiment discharges similar to lightning that came out from the metal ball were recorded. The length of some discharges reached almost up to 4.5 m., and the thunder was audible up to 24 km. A huge ball of light burned around the tower. People on the street watched the sparks between their legs and the ground.

Except electrical engineering studies, Tesla professionally studied linguistics, wrote poetry. He spoke eight languages fluently, knew music and philosophy. The scientist believed in a connection with extraterrestrial life forms.

Tesla died on Christmas, in January 1943 at the age of 86. Ten months after Tesla's death, the U.S.A. navy carried out his unfinished experiment to make the ship invisible to radars. As Tesla foreseen, during the experiment completely unintended side effect was revealed. The ship became invisible not only to radars, but to the naked eye. Moreover, witnesses claimed that suddenly they saw the ship in Norfolk, at a distance of several hundred miles. For people involved in this project the teleportation was a disaster, because they were stated as mentally unstable. But the man, who could explain it was already dead.

He actually started the electrification of the world. Thanks to him, our homes, villages, cities are illuminated. Exactly Tesla is the real inventor of radio, not Marconi and Popov, who used designs and Tesla's patents. Tesla was the first to create radio-controlled mechanism, he discovered the principles of robotics and solar-powered engines. Almost a thousand inventions in various fields of science and technology belong to him.